

Atorvastatin Calcium (Cas No 134523-00-5)

TAJAV-HUMKAET668

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TAJ PHARMACEUTICALS LIMITED INDIA

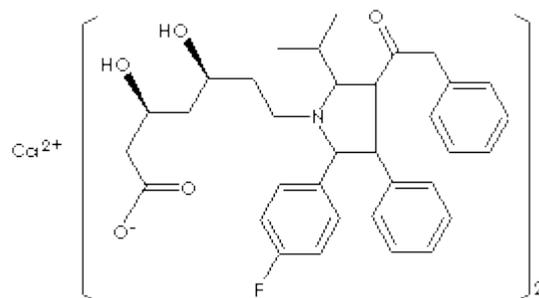


Raw Material / Chemicals Index

Atorvastatin Calcium

PRODUCT IDENTIFICATION

CAS NO. 134523-03-8



EINECS NO. FORMULA (C₃₃H₃₄FN₂O₅)₂Ca·3H₂O MOL WT. 1209.42

H.S. CODE

TOXICITY

SYNONYMS Lipitor; (-)-Monocalcium bis[(3R, 5R)-7-[2-(4-fluorophenyl)-5-isopropyl-3-phenyl-4-phenylcarbamoyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoate] Trihydrate; [R-(R',R')] -2-(4-fluorophenyl)-beta,delta- dihydroxy-5-(1-methylethyl)-3-phenyl-4 [(phenylamino) carbonyl]- 1H-pyrrole-1-heptanoic acid, calcium salt (2:1) Trihydrate;
Atorvastatin is a member of the drug class known as statins, used for lowering blood cholesterol.

It also stabilizes plaque and prevents strokes through anti-inflammatory and other mechanisms. Atorvastatin inhibits HMG-CoA reductase, **the rate-determining enzyme located in hepatic tissue that produces mevalonate, a small molecule used in the synthesis of cholesterol and other mevalonate derivatives.**

This lowers the amount of cholesterol produced which in turn **lowers the total amount of LDL cholesterol.**

CLASSIFICATION

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : white to off-white crystalline powder

AUTOIGNITION
NFPA RATINGS
REFRACTIVE INDEX
FLASH POINT
STABILITY

Stable under ordinary conditions.

SALES SPECIFICATION

APPEARANCE: white to off-white crystalline powder

IDENTIFICATION: Complies (Test A,B)

ASSAY: 98.0% - 101.0%

CALCIUM: 3.3% - 3.6%

WATER: 7.0% max

LOSS ON DRYING:: 0.5% max

Usage: Antihyperlipidemia

TRANSPORTATION

PACKING :

1kg/tin or as per your requirement

Characteristics: a white or almost white crystalline powder

- 1) Specific rotation: -7.0 ~ -9.0
- 2) Water: 3.5% ~ 5.5%
- 3) Calcium: 3.0% ~ 3.6%
- 4) Heavy metals: 10ppm

Impurity (HPLC):

- 1) Atorvastatin Lactone: 0.3%
- 2) Desfluoro-atorvastatin calcium: 0.2%
- 3) Diamine-atorvastatin calcium: 0.3%
- 4) Isomer-atorvastatin calcium: 0.2%
- 5) Other individual:
 - a) Unknown impurity: 0.15%
 - b) Total impurity: 1.0%

c) Assay: 98.0 - 102.0%

HAZARD CLASS: UN NO.

OTHER INFORMATION

Hazard Symbols: , Risk Phrases: , Safety Phrases: 22-24/25

Origin: INDIA

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